

FIG. 1. (PRIOR ART).

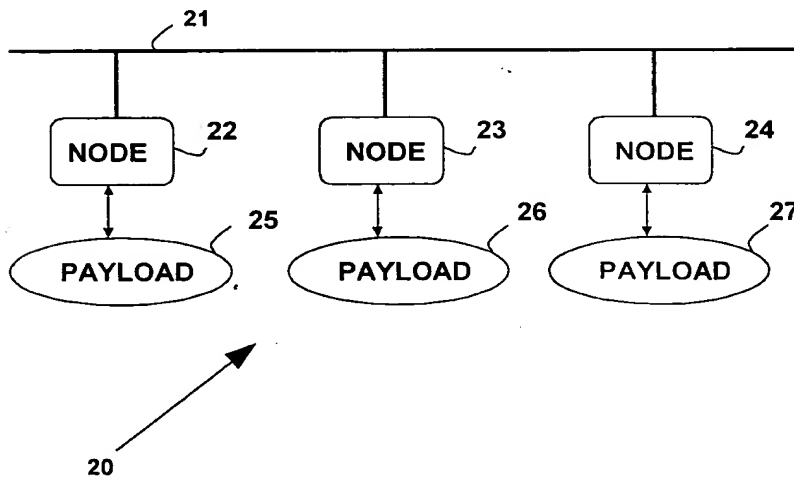
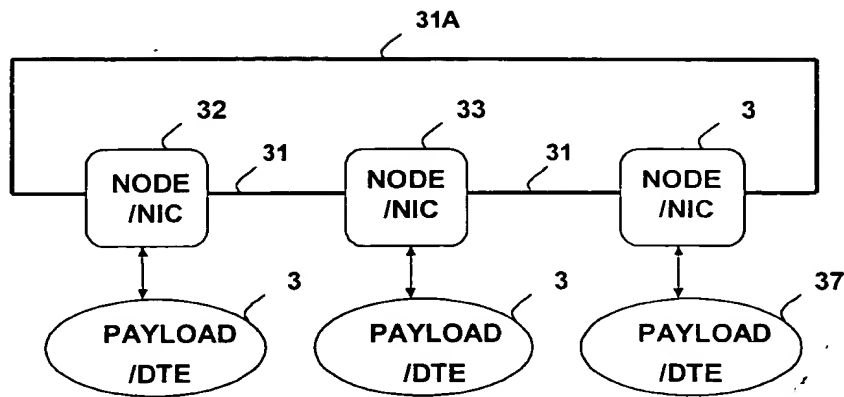


FIG. 2. (PRIOR ART)



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FIG. 3. (PRIOR ART)

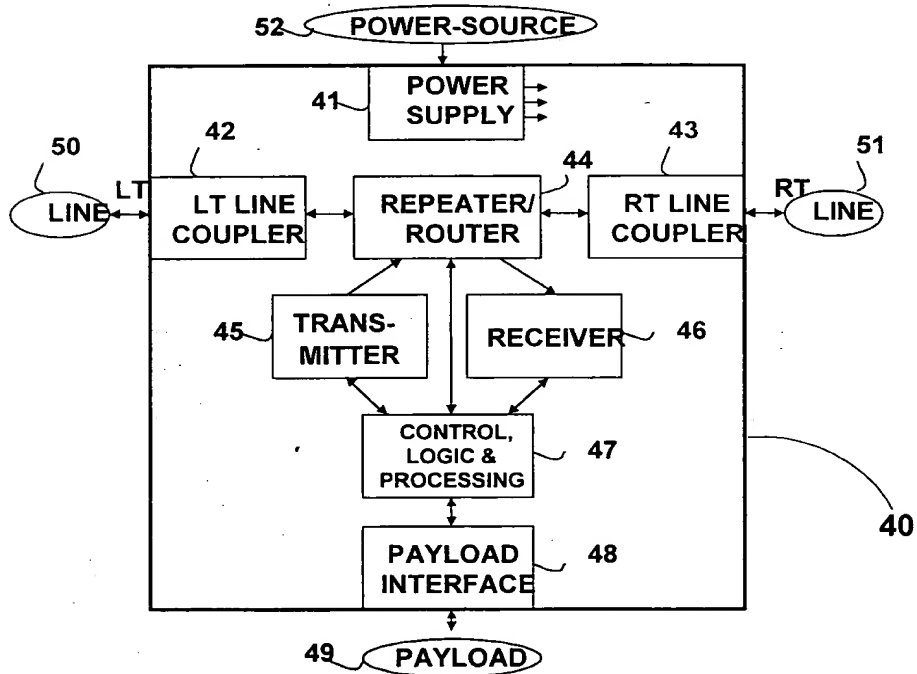


FIG. 4.

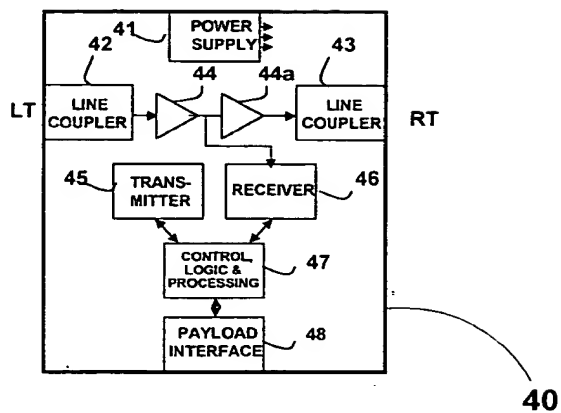


FIG. 5a.

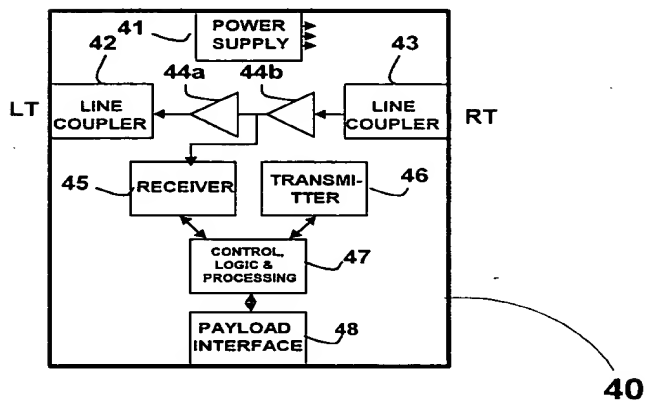


FIG. 5b.

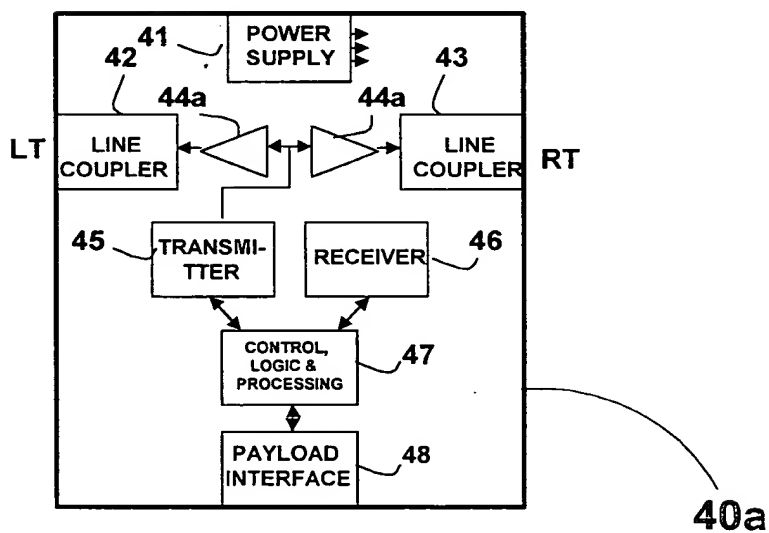


FIG. 5c.

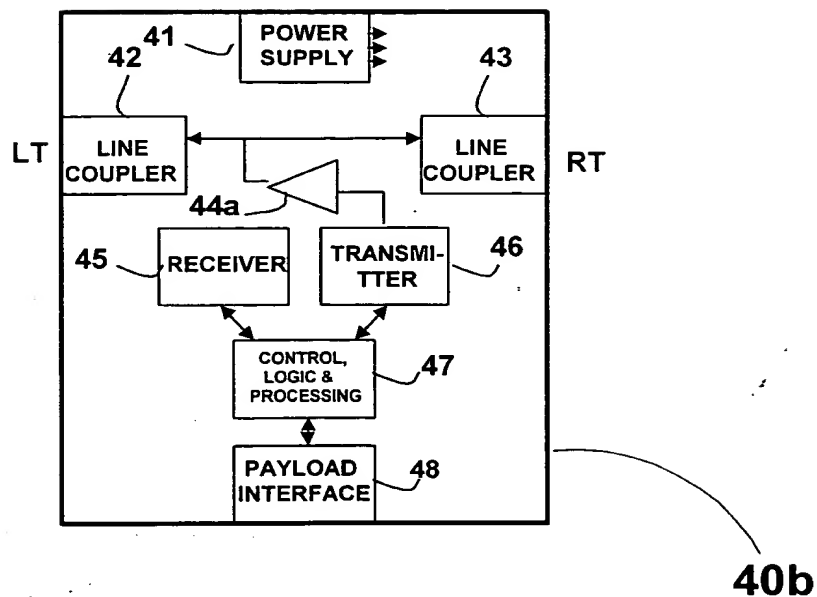


FIG. 5d.

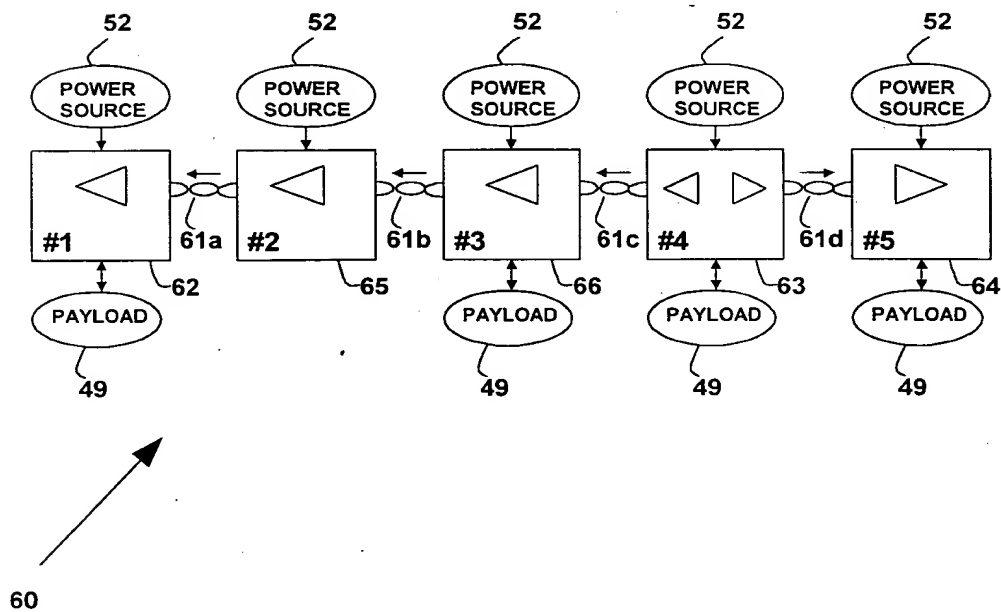


FIG. 6.

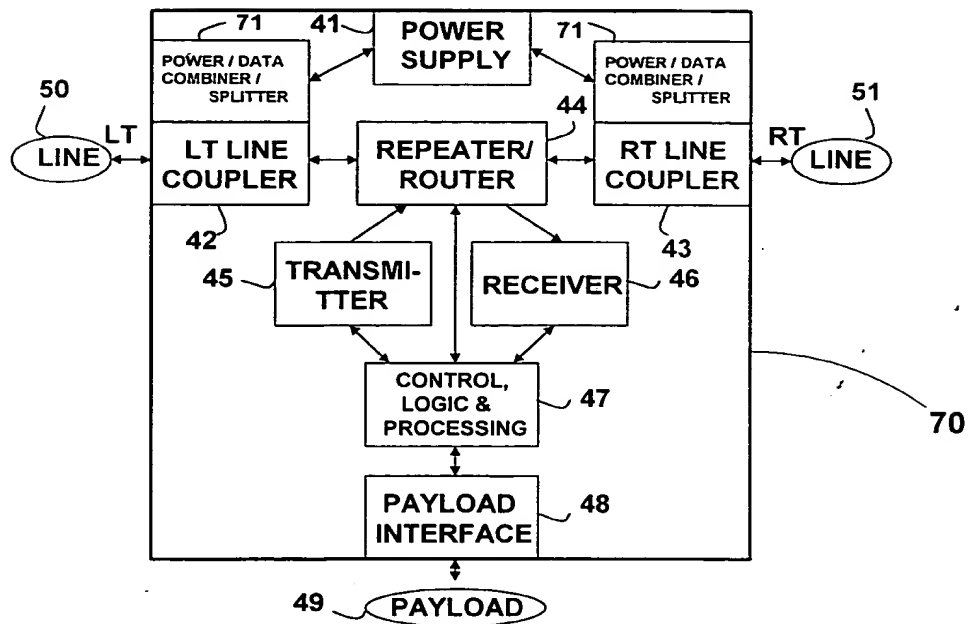


FIG. 7.

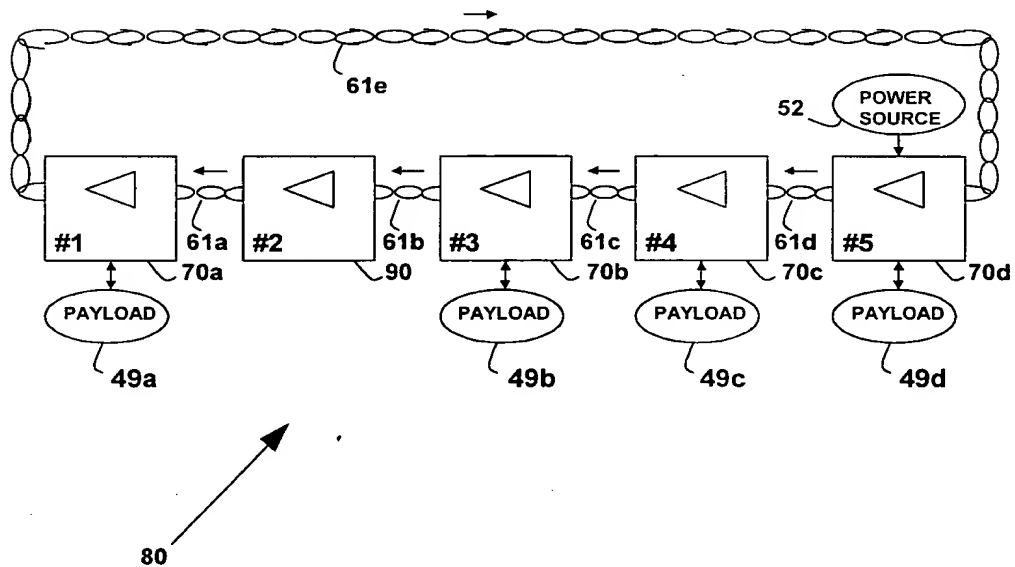


FIG. 8.

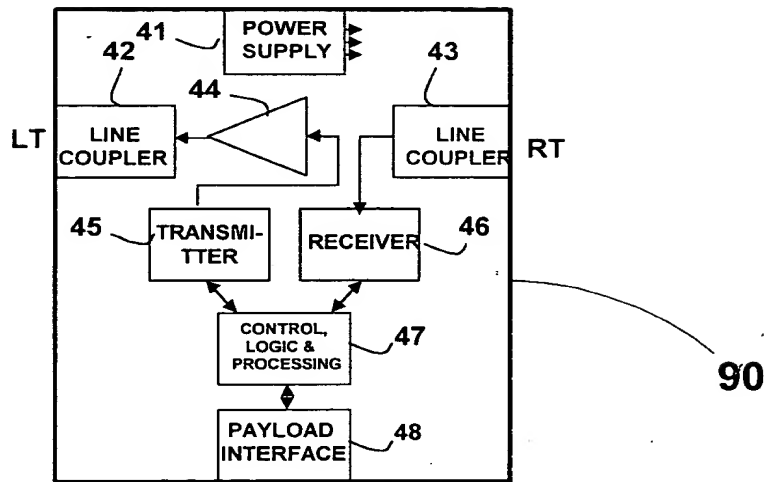


FIG. 9a.

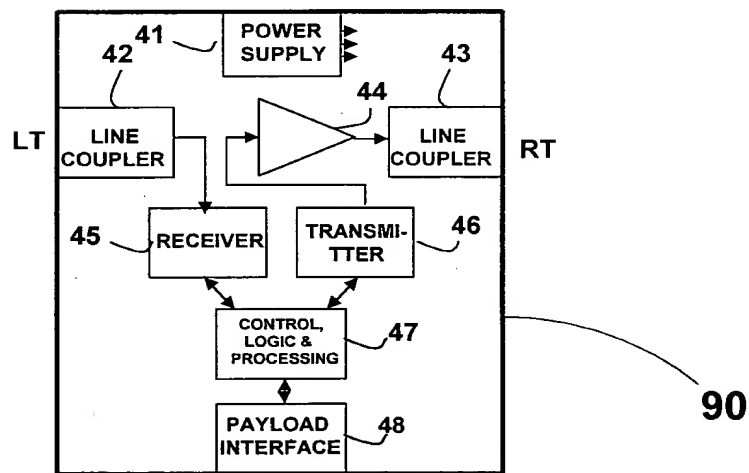


FIG. 9b.

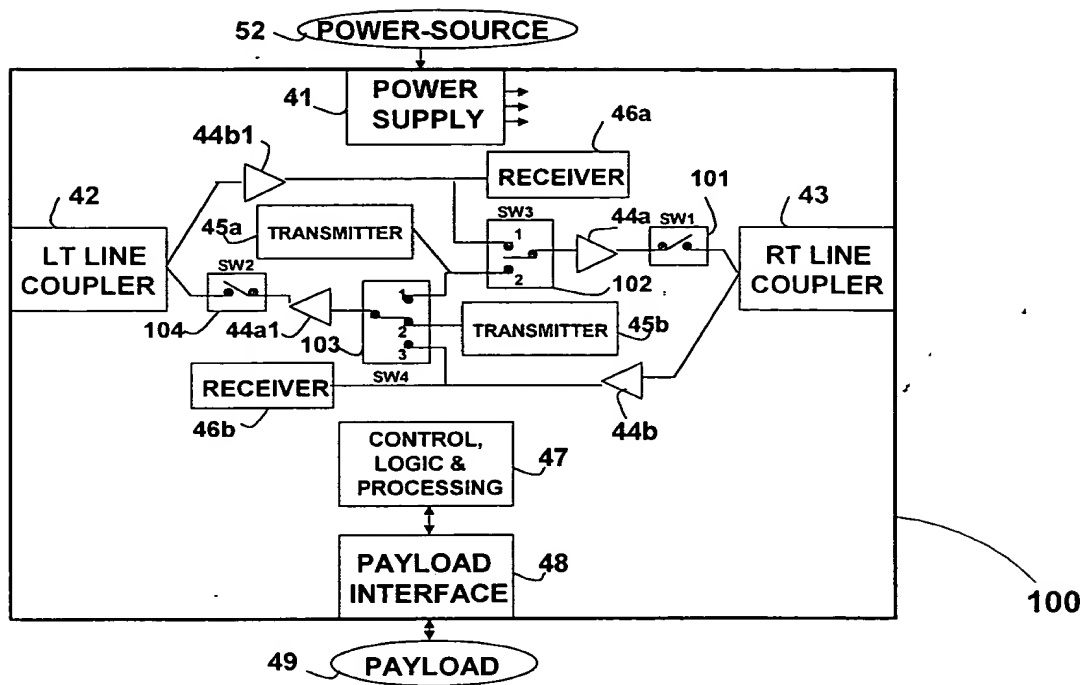


FIG. 10.

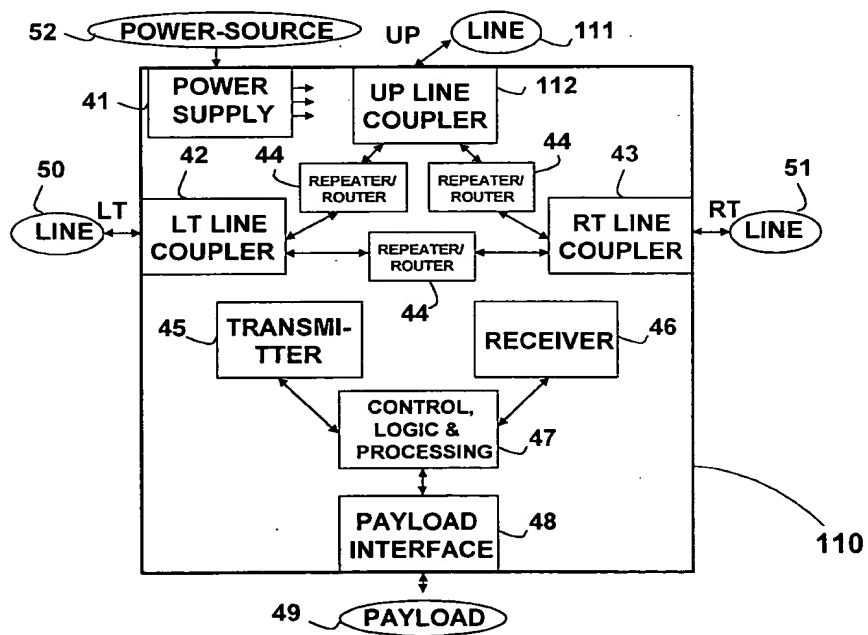


FIG. 11.

Node State	SW1	SW2	SW3	SW4
Right-to-left	OFF	ON	Don't Care	3
Left-to-right	ON	OFF	1	Don't Care
Transmit both sides	ON	ON	2	1
Receive both sides	OFF	OFF	Don't Care	Don't Care
Transmit right Receive left	ON	OFF	2	Don't Care
Transmit left Receive right	OFF	ON	Don't Care	2
Transmit/receive both sides	ON	ON	2	2

FIG. 12.